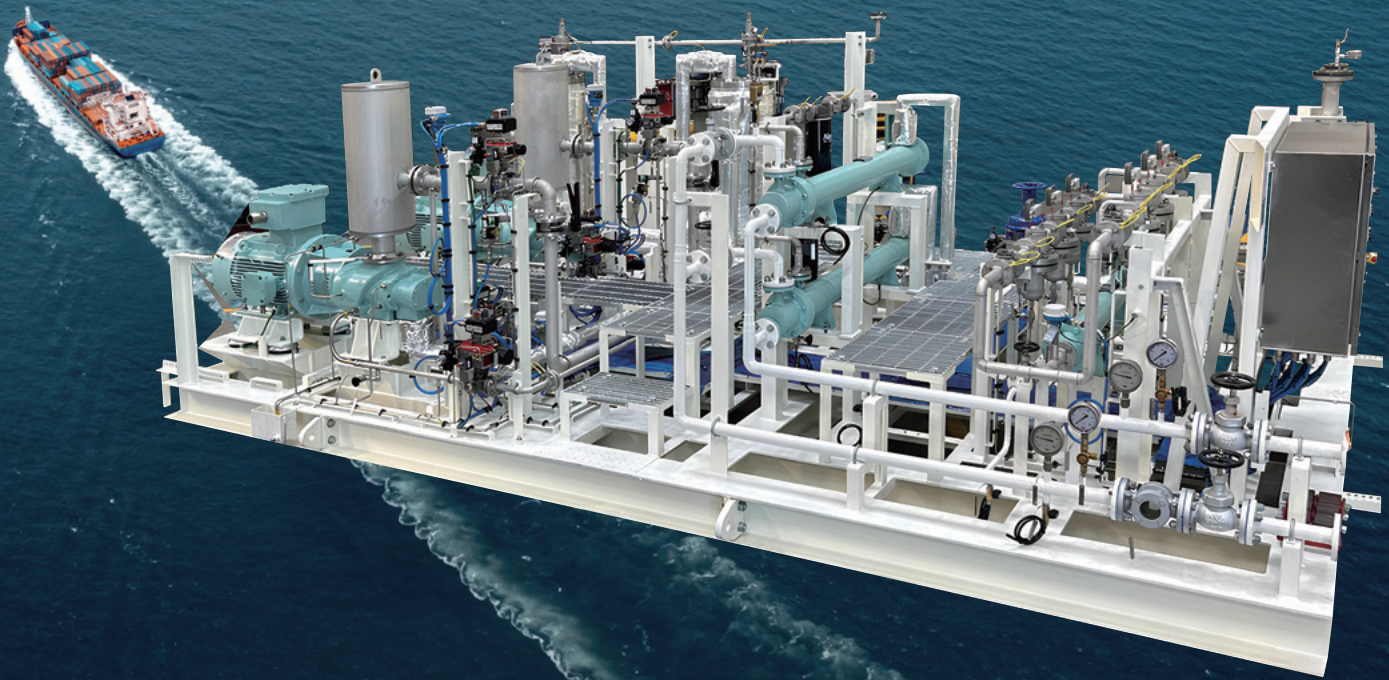


Contact Point

Tel : +82(0)51 974 4800

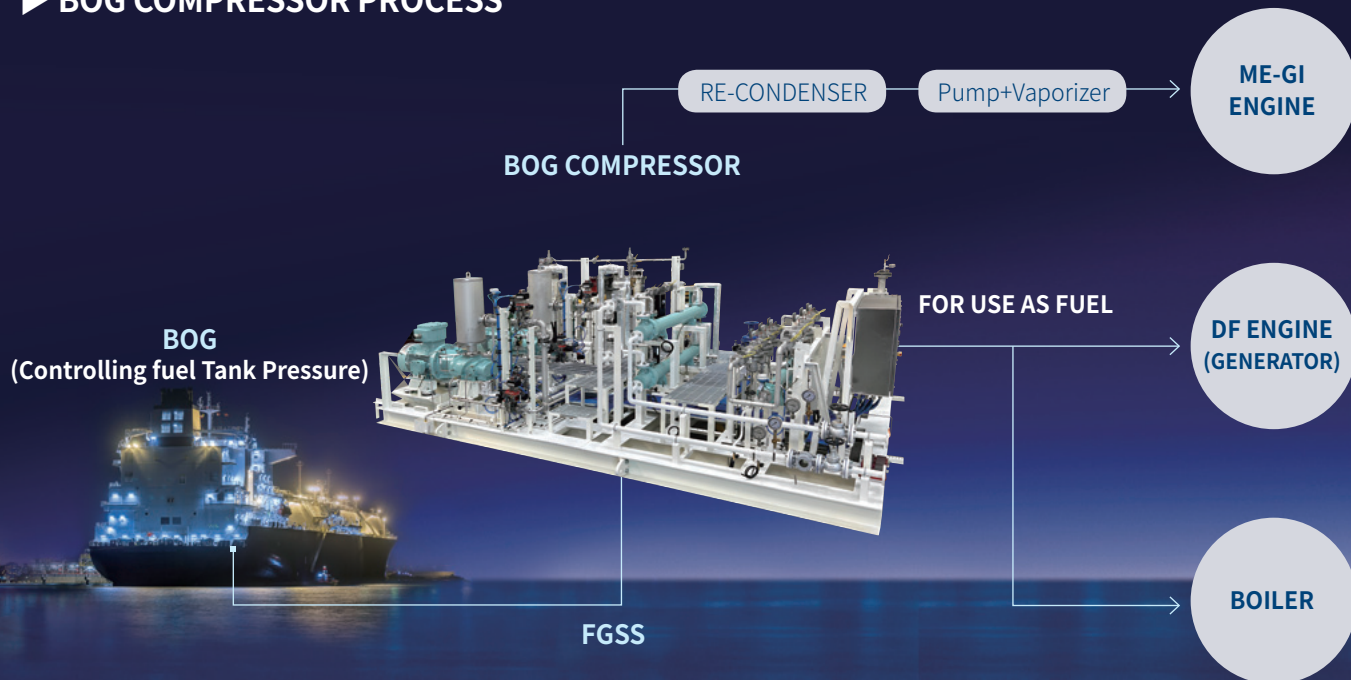
E-mail : sales@dhkomp.co.kr

GAS COMPRESSOR

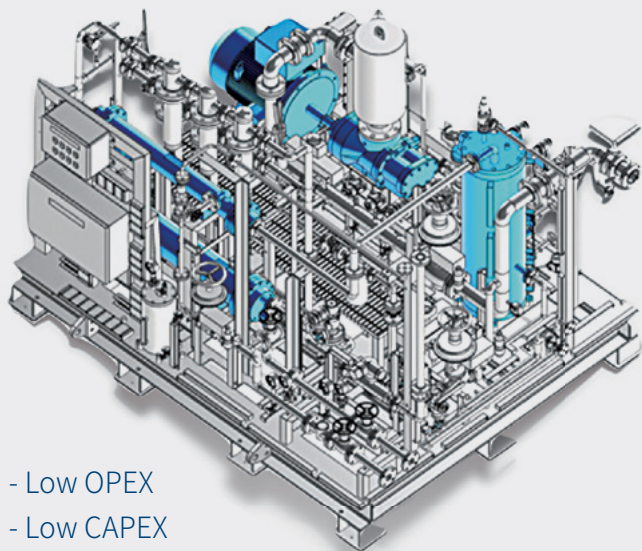


BOG COMPRESSOR

► BOG COMPRESSOR PROCESS



• OIL INJECTED SCREW TYPE



- Low OPEX
- Low CAPEX
- Easy operation
- Extremely durable and robust
- Unique and broad range of applications

► BOG COMPRESSOR SPEC

TYPE	Oil injected screw type
APPLICABLE FLUID	CH ₄ , NH ₃ , CO ₂ , PROPYLENE
CAPACITY	Max. 10,000 kg/h
SUCTION PRESSURE	In accordance with customer requirements
SUCTION TEMPERATURE	-40°C ~ +50°C
DISCHARGE PRESSURE	Max. 52 bar G (Contact us separately for 20 bar A and above)

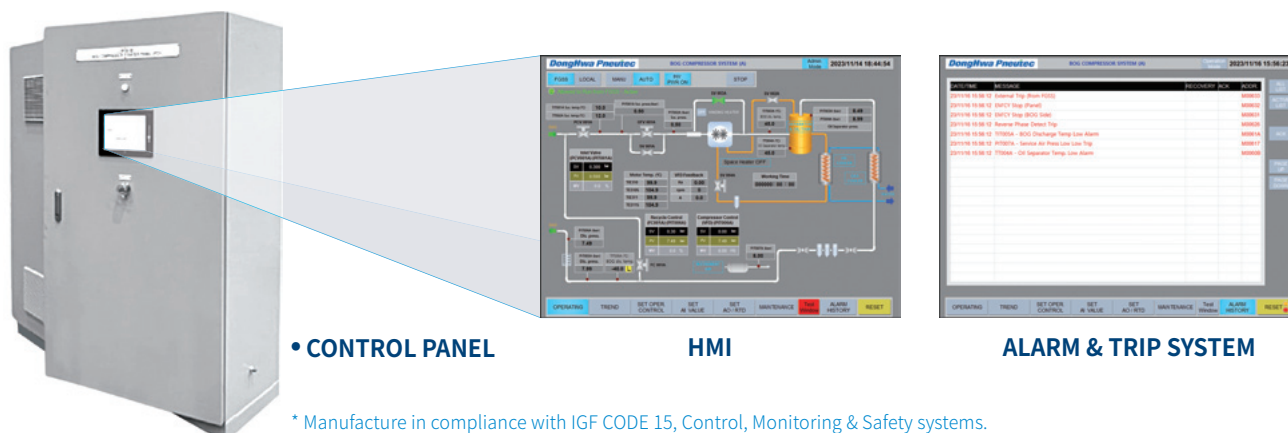
* Please contact us separately for Oil Free.

SCOPE OF SUPPLY

► OIL FILTERING SYSTEM FOR OIL INJECTED TYPE

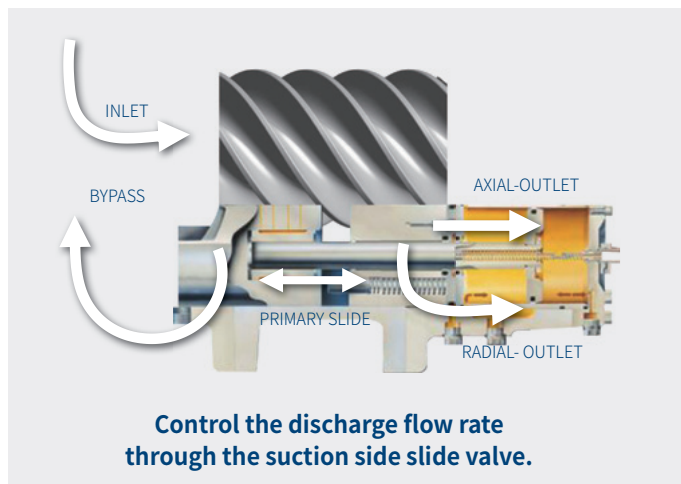


► INSTRUMENTATION & CONTROLS



► CAPACITY CONTROL METHOD

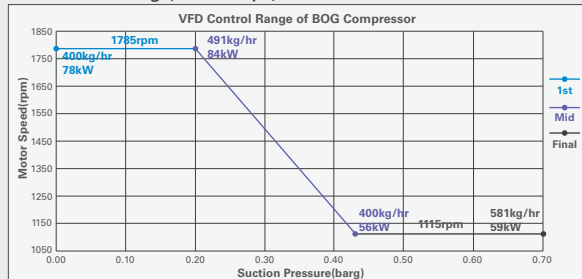
• SLIDE VALVE



• SLIDE VALVE + RECYCLE VALVE : SLIDE VALVE(10 ~ 100%), RECYCLE VALVE(0~10%)

• VFD

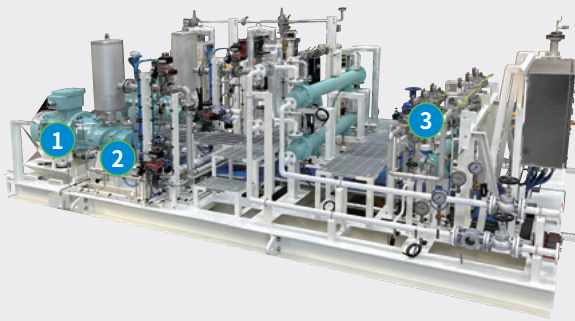
1. VFD Control Range(Linear Graph)



Name	Motor Speed(rpm)	Pressure(barg)
1st Control (Max. Motor Speed)	1785	0.00
	1785	0.20
Mid Control	1785	0.20
	1115	0.43
"Final Control (Min. Motor Speed)	1115	0.43
	1115	0.70

• VFD + RECYCLE VALVE : VFD(50 ~ 100%), RECYCLE VALVE(0~50%)

▶ MAIN EQUIPMENTS



① ELECTRIC MOTOR

- Three-phase motors that conform to IEC
- 440V, 3Ph, 60Hz
- Efficiency Class : IE2
- IP Class : IP55
- IEC Class : IEC411 Self ventilated
- Mounting Type : B35
- Ex-Proof type : Ex d IIB T4

② GAS END

(Oil Free / Oil Injected)

③ GAS FILTER

BOG REFERENCE LIST

STATUS	Q'TY(SETS)
Under operation after ship delivery	205
Delivered to Shipyard	94
Under fabrication	129
Grand TOTAL	428



* Based on September 30, 2024

CONTAINER SHIP



CRUDE OIL TANKER



FSRU



VEHICLES CARRIER



BULK CARRIER



ADDITIONAL ITEM

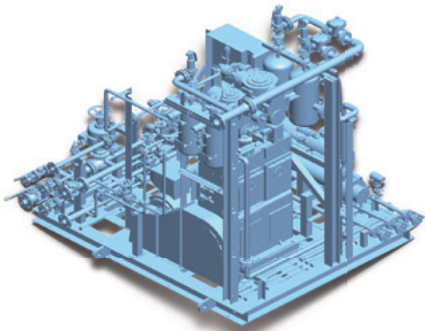
► OIL FREE SCREW COMPRESSOR



TYPE	Oil Free screw type
APPLICABLE FLUID	CH ₄ , N ₂ , CO ₂ , NH ₃
SUCTION TEMPERATURE	-20°C ~ +50°C
CAPACITY	~ 9,300 m ³ /h
DISCHARGE PRESSURE	Max. 10.5 bar G

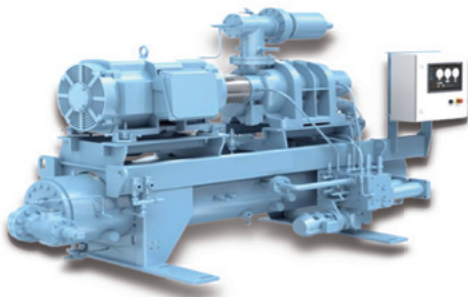
* The above specifications are basic specifications, and please contact us separately for the Oil Free type.

► OIL FREE RECIPROCATING COMPRESSOR



TYPE	Oil Free Reciprocating type
APPLICABLE FLUID	NH ₃ , LPG, CO ₂ , N ₂ , CH
SUCTION TEMPERATURE	-20°C ~ +50°C
CAPACITY	~ 200 Nm ³ /h
DISCHARGE PRESSURE	Max. 40 bar G

► REFRIGERANT COMPRESSOR

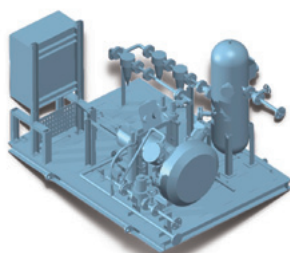
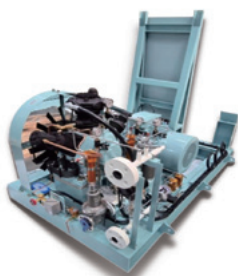


TYPE	Oil Free Screw type
APPLICABLE FLUID	NH ₃ , LPG, CO ₂ , N ₂ , CH ₄
SUCTION TEMPERATURE	-60°C ~ +120°C
CAPACITY	~13,000 m ³ /h
DISCHARGE PRESSURE	Max. 28 bar G

► N2 BOOSTING COMPRESSOR

HIGH PRESSURE

LOW PRESSURE



TYPE	Oil Injected Reciprocating
APPLICABLE FLUID	Air, N ₂
SUCTION TEMPERATURE	+10°C ~ +50°C
CAPACITY	HIGH PRESSURE : ~16 m ³ /h LOW PRESSURE : ~20 m ³ /h
DISCHARGE PRESSURE	Max. 40 bar G

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